

FIG. 1



XbaI \* HgaI

TCTAGAGTC ATGAAACAAC AAAAAGGGCT TTACGCCCGA TTGCTGACGC TGTATTGTC HgaI

GCTCATCTTC TTGCTGCCCTC ATTCTGCAGC AGCGGGCGCA AATCTTAATG GGACGCTGAT HgaI

GCAGTATTTT GAATGGTACA TGCCCAATGA CGGCCAACAT TGGAAAGCGTT TGCAAAACGA

CTCGGCATAT TTGGCTGAAC ACGGTATTAC TGCCGTCTGG ATTCCCCCGG CATATAAGGG

AACGAGCCAA GCGGATGTGG GCTACGGTGC TTACGACCTT TATGATTTAG GGGAGTTTCA

TCAAAAAGGG ACGGTTCCGA CAAAGTACGG CACAAAAGGA GAGCTGCAAT CTGCGATCAA

AAGTCTTCAT TCCCGCGACA TTAACGTTTA CGGGGATGTG GTCATCAACC ACAAAGGCGG

CGCTGATCGG ACCGAAGATG TAACCGCGGT TGAAGTCGAT CCCGCTGACC GCAACCGCGT

AATTTACAGG GAACACCTAA TTAAAGCCTG GACACATTTT CATTTTCCGG GCGCGGGCAG

CACATACAGC GATTTTAAAT GGCATTGGTA CCATTTTGAC GGAACCGATT GGGACGAGTC

CCGAAAGCTG AACCGCATCT ATAAGTTTCA AGGAAAGGCT TGGGATTGGG AAGTTTCCAA

TGAAAACGGC AACTATGATT ATTTGATGTA TGCCGACATC GATTATGACC ATCCTGATGT

CGCAGCAGAA ATTAAGAGAT GGGGCACCTG GTATGCCAAT GAACTGCAAT TGGACGGTTT

CCGTCTTGAT GCTGTCAAAC ACATTAATTTT TTTCTTTTGG CGGGATTGGG TTAATCATGT

CAGGGAAAAA ACGGGGAAGG AAATGTTTAC GGTAGCTGAA TATTGGCAGA ATGACTTGGG

FIG. 2A



CGCGCTGGAA AACTATTGTA ACAAACAAA TTTTAATCAT TCAGTGTTTG ACGTGCCGCT  
TCATTATCAG TTCCATGCTG CATCGACACA GGGAGGGGGC TATGATATGA GGAAATTGCT  
GAACGGTACG GTCGTTTCCA AGCATCCGTT GAAATCGGTT ACATTTGTG ATAACCATGA  
Sali  
TACACAGCCG GGGCAATCGC TTGAGTCGAC TGTCCAAAACA TGGTTTAAGC CGCTTGCTTA  
CGCTTTTATT CTCACAAGGG AATCTGGATA CCTCAGGTT TTCTACGGG ATATGTACGG  
GACGAAAGGA GACTCCCAGC GCGAATTC TGCCTTGAAA CACAAAATG AACCGATCTT  
AAAAGCGAGA AAACAGTATG CGTACGGAGC ACAGCATGAT TATTTCGACC ACCATGACAT  
TGTCGGCTGG ACAAGGGAAG GCGACAGCTC GGTGCAAAAT TCAGGTTTGG CGGCATTAAAT  
AACAGACGGA CCCGGTGGGG CAAAGCGAAT GTATGTCGGC CGGCAAAAACG CCGGTGAGAC  
ATGGCATGAC ATTACCGGAA ACCGTTCGGA GCCGGTTGTC ATCAATTCCG AAGGCTGGGG  
AGAGTTTCAC GTAAACGGCG GGTCGGTTTC AATTATGTT CAAAGATAGA AGAGCAGAGA  
BamHI  
GGACGGATTT CCTGAAGGAA ATCCGTTTTT TTATTTTGCC CGTCTTATAA ATTCTTTGA  
TTACATTTTA TAATTAATTT TAACAAAGTG TCATCAGCCC TCAGGAAGGA CTGCTGACA  
GTTTGAATCG CATAGGTAAG GCGGGGATGA AATGGCAACG TTATCTGATG TAGCAAGAA  
BclI  
AGCAATGTG TCGAAAATGA CCGTATCGCG GGTGATCA SEQ ID NO:5

FIG. 2B

Title: TRANSGENIC PLANTS HAVING A MODIFIED CARBOHYDRATE  
CONTENT

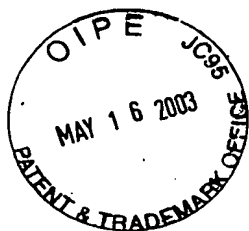
Inventors: Albert J.J. VAN OYEN, et al.

Application No.: 09/003, 047

Docket No.: 261922003302

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Oligonucleotide duplex A

	<u>NcoI</u>	<u>BamHI</u>	<u>HindIII</u>	
	[ ]	[ ]	[ ]	
5'	GGGTTTTTATTTTAAATTTTCTTTCAAAATACTCCACCATGGGTAAACGGATCCA	3'	SEQ ID NO:6	
3'	CCCAAAATATAAAATTAAGAAAGTTTATGAAGGTGGTACCCATTGCCCTAGGTTCCA	5'	SEQ ID NO:7	

Oligonucleotide duplex B

	<u>NcoI</u>	<u>HgaI</u>	SITE	
	[ ]	[ ]	$\alpha$ -AMYLASE	
5'	CATG	GCAAATCTTAATGGACGGCTGATG	3'	SEQ ID NO:8
3'		CGTTAGAAATTACCTGCGACTACGTCAT	5'	SEQ ID NO:9
		Met		mature $\alpha$ -Amylase

FIG. 3

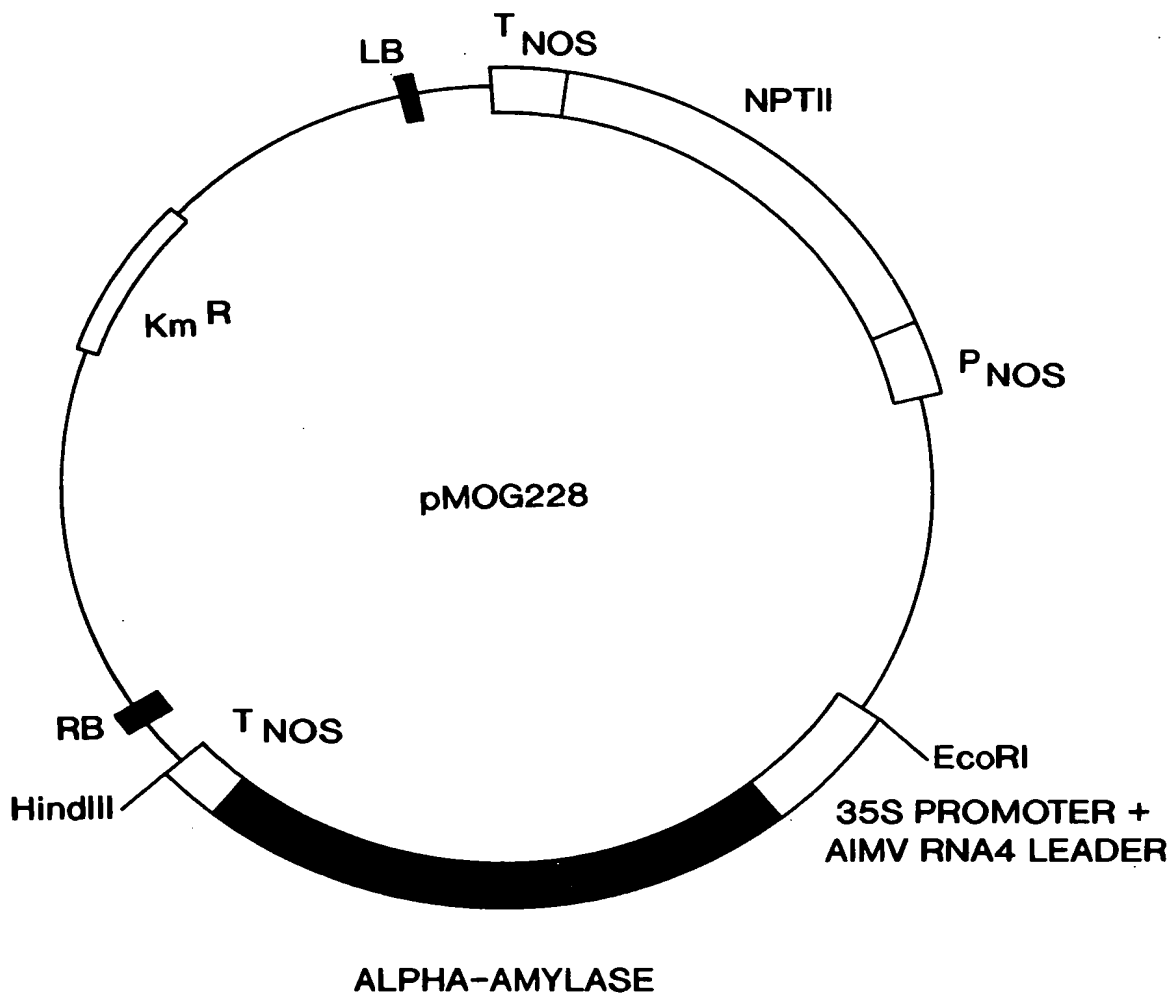
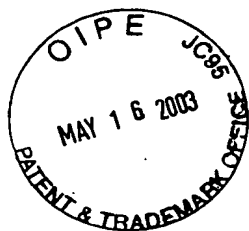
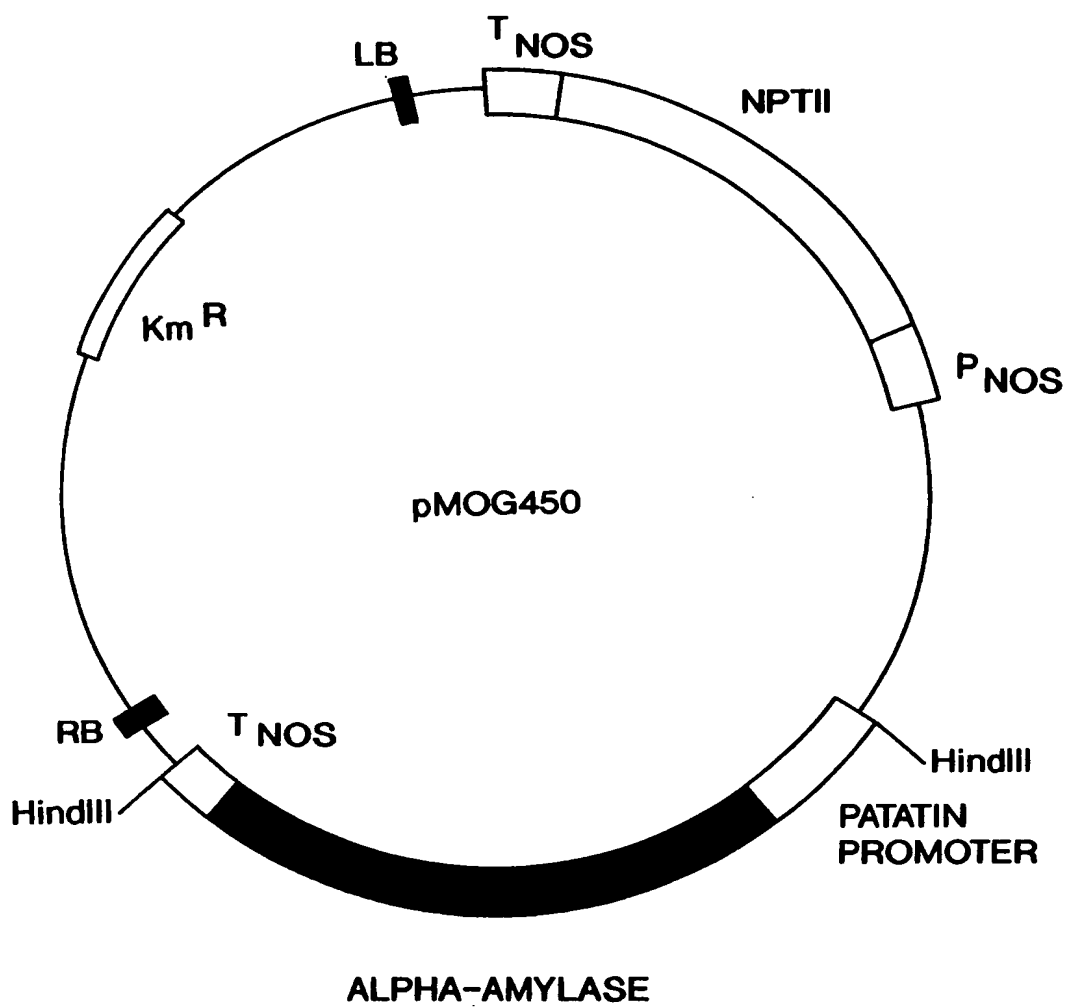


FIG. 4



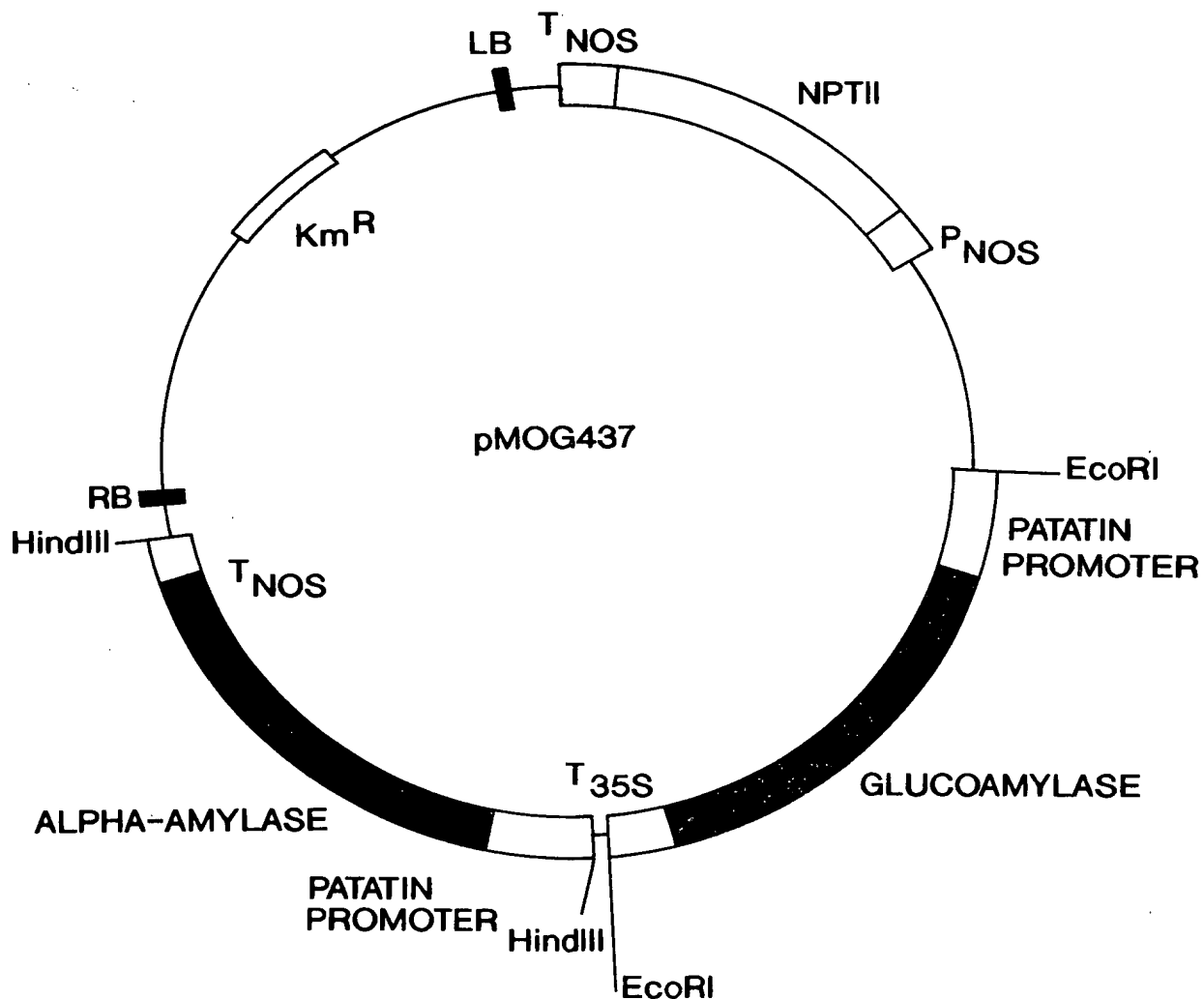


FIG. 6